

FIG. 1

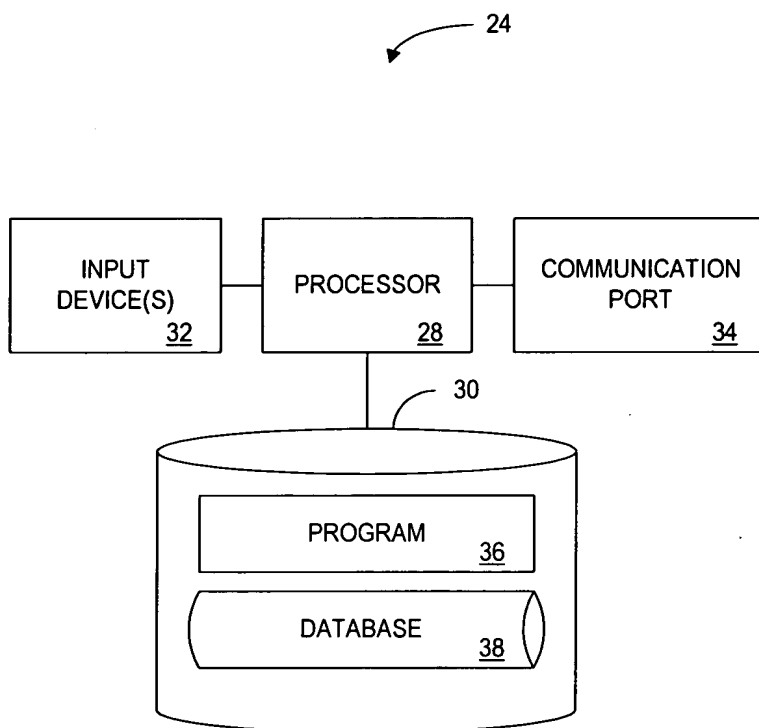


FIG. 2

22

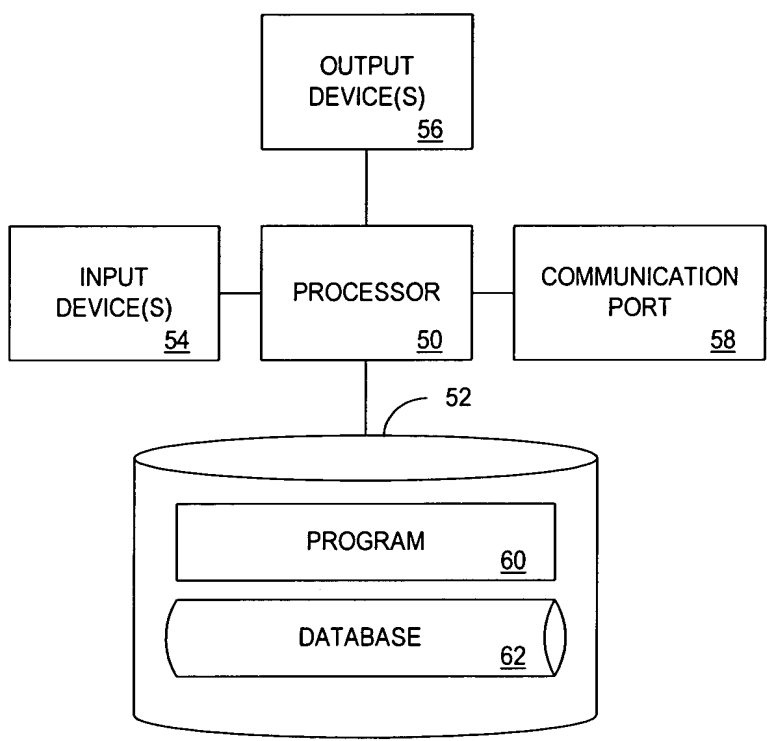


FIG. 3

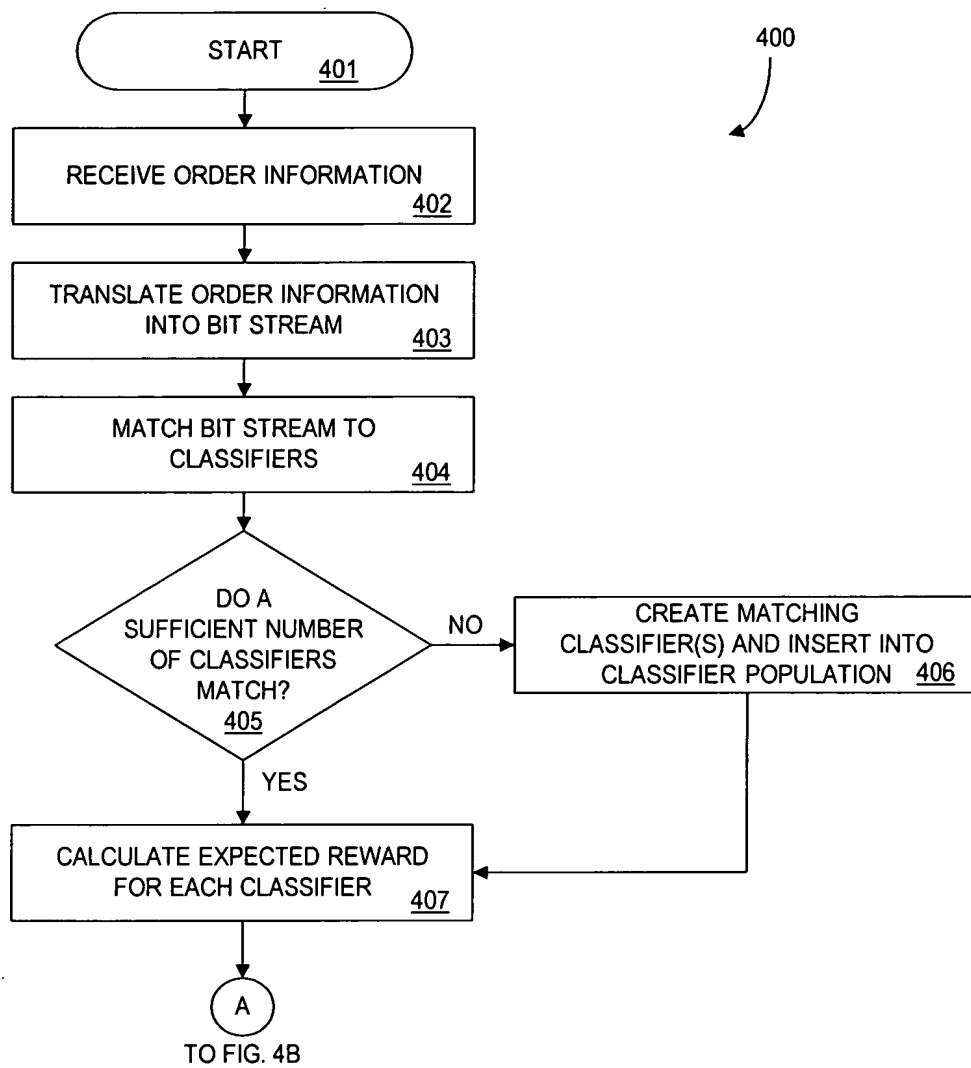


FIG. 4A

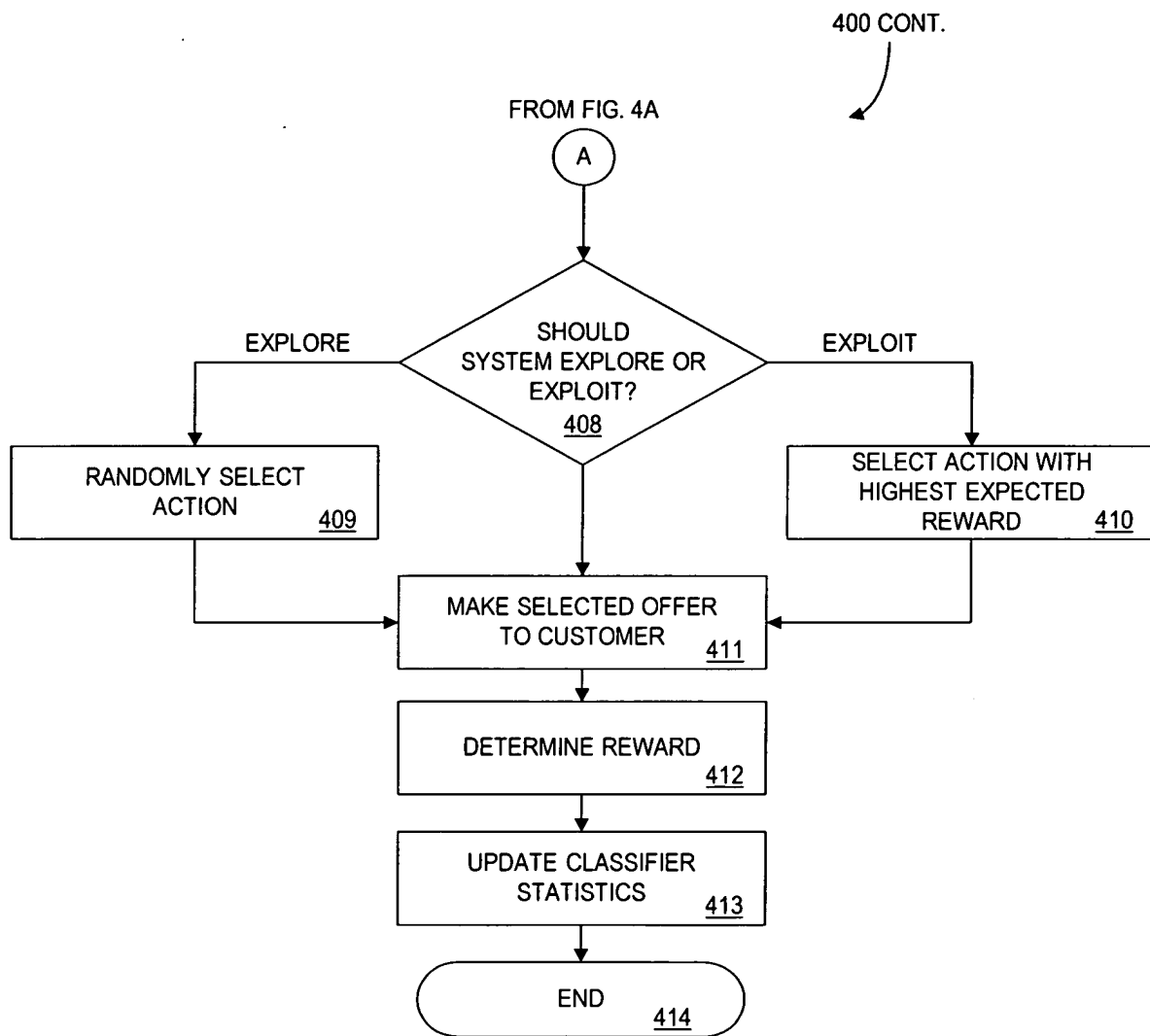


FIG. 4B

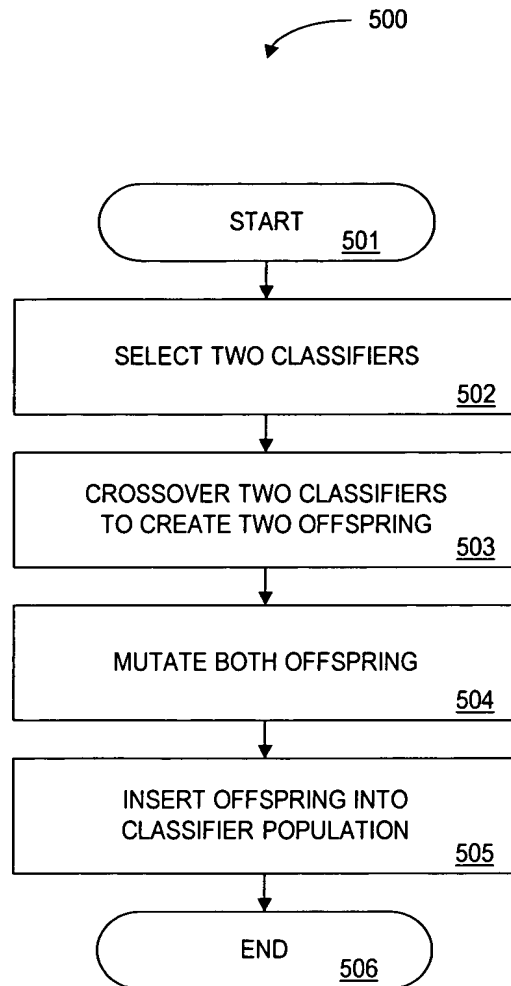


FIG. 5

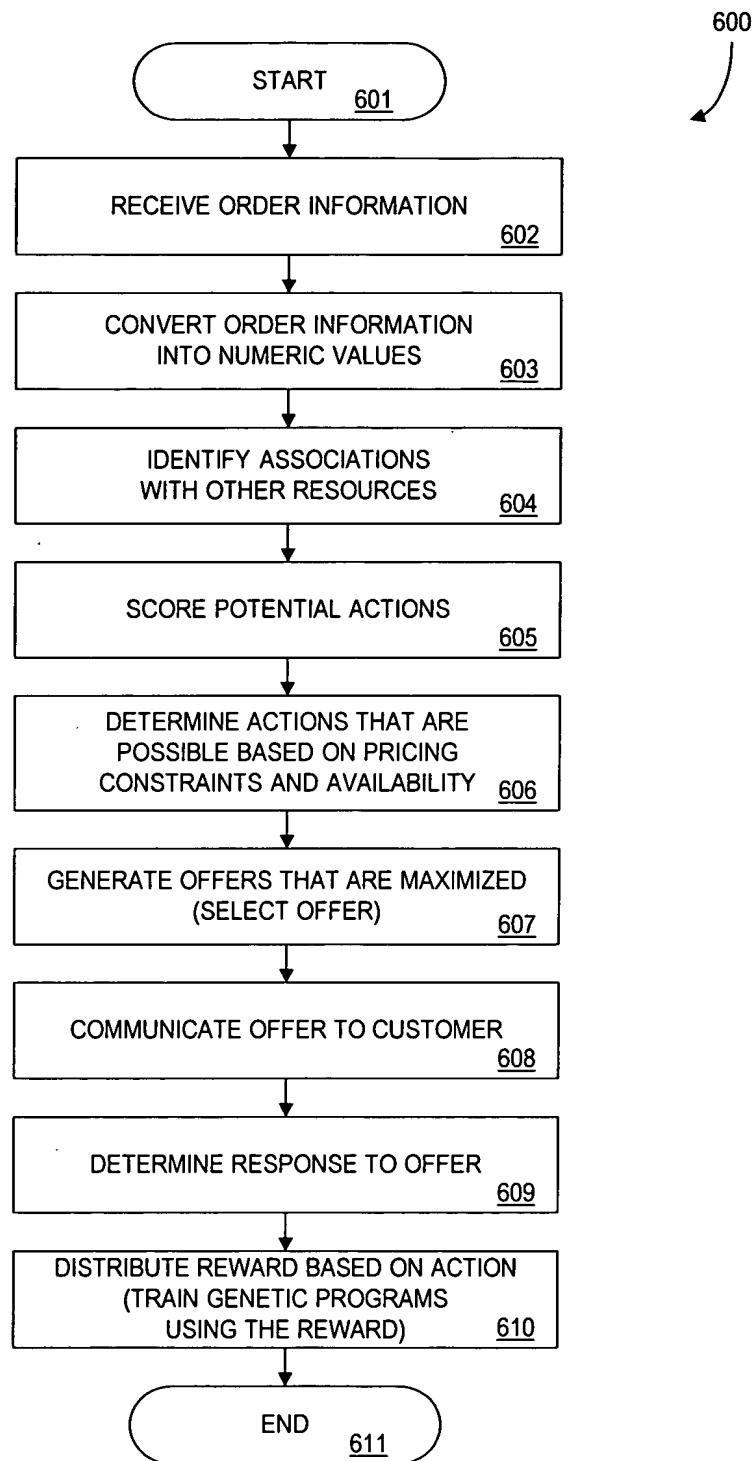


FIG. 6

FIG. 7 is a block diagram of a system 700 for learning from interaction with an environment. The system 700 includes an environment 710 and a classifier system 720. The environment 710 provides input to the classifier system 720, which in turn provides actions back to the environment 710. The classifier system 720 also receives reward information from the environment 710 and uses it to modify its rules.

700

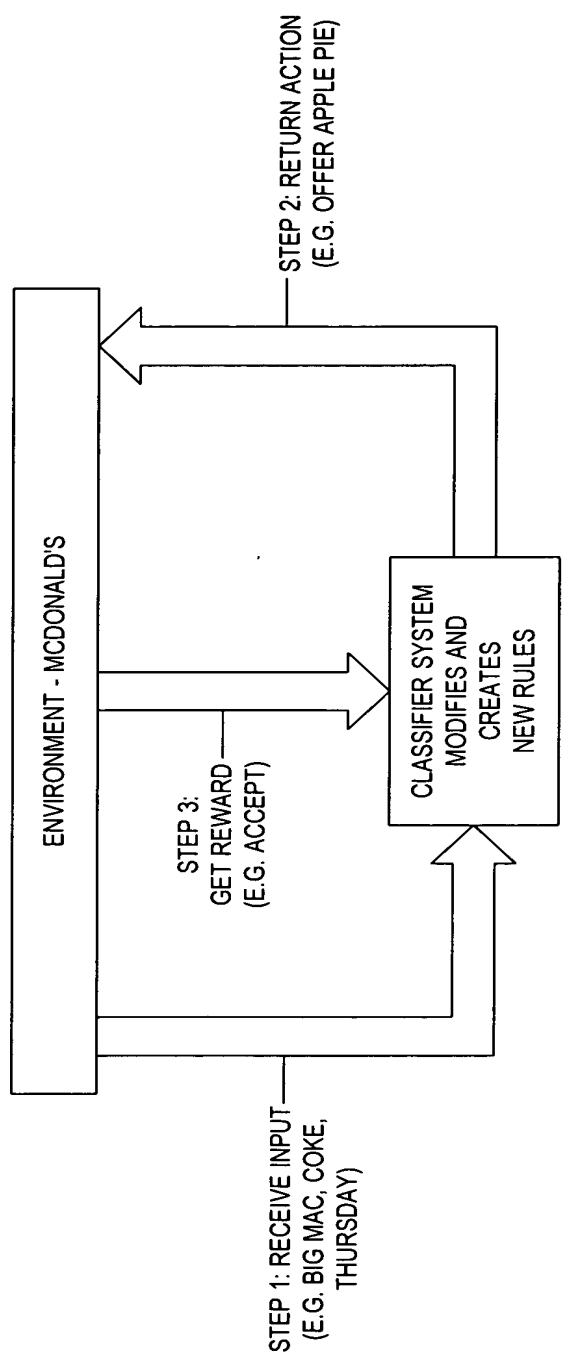


FIG. 7

800

QSR MENU EDITOR

DATABASE SOURCE: JDBC.ODBC.MENUITEMS

ITEM NAME: STK EGG BAG 2.49 **PRICE:** 2.49

ID: 2300 **COST:** 2.49

TYPE

☒ SINGLE ITEM ☐ MEAL ☐ NOT FOR BIONET

TIME OF DAY AVAILABLE

☐ ANYTIME ☒ BREAKFAST ☐ LUNCH ☐ DINNER

ITEM 1 **ITEM 2** **ITEM 3** **ITEM 4** **ITEM 5** **ITEM 6**

TYPE

☐ BEVERAGE ☒ MAIN

☐ SIDE ☐ DESSERT

☐ TOPPING ☐ MISC.

SIZE

☐ CHILD ☐ SMALL

☒ MEDIUM ☐ LARGE

☐ X-LARGE ☐ ALL-U-CAN

TEMP.

☒ HOT

☐ COLD

☐ ROOM

PRE-PACK.

☐ YES

DISCOUNTED

☐ YES

MAIN

☒ EGG ☐ CHICKEN ☒ BEEF/VEAL

☐ LAMB ☐ TURKEY ☐ PORK

☐ FISH ☐ SEAFOOD ☐ OTHER MEAT

☐ CHEESE ☐ SPICES ☐ POTATO

☐ ONION ☐ CORN ☐ MUSHROOM

☐ COLESLAW ☐ LETTUCE ☐ PEPPERS

☐ OTHER VEG. ☐ FRUIT ☐ MAYO

☐ SAUCE/DRES. ☐ SOY ☐ NUTS

☐ BEANS ☐ PASTA ☐ RICE

☐ SALAD ☐ DEEP FRY ☐ SOUP

☒ SANDWICH ☐ PIZZA ☒ BREAD

☐ BATTER

APPLY **NEXT**

2300 STK EGG BAG 2.49
3833 HM OJ
739 SS ROOTBEER 1.69
738 REG ROOTBEER 1.19
2271 HOT CAKES + EGGS
3038 BGL CRM CHZ 1.49
736 MED LEMONADE 1.29
3037 BAGEL .89

FIG. 8

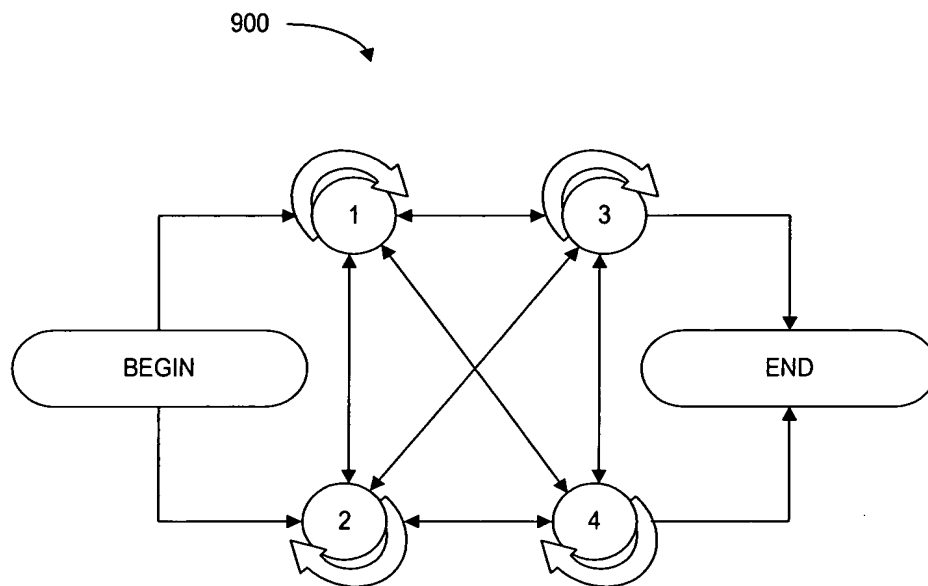


FIG. 9

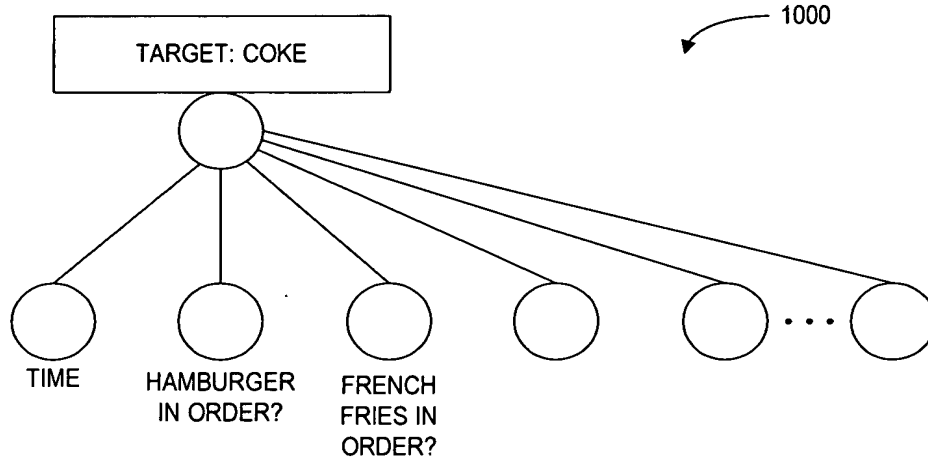


FIG. 10

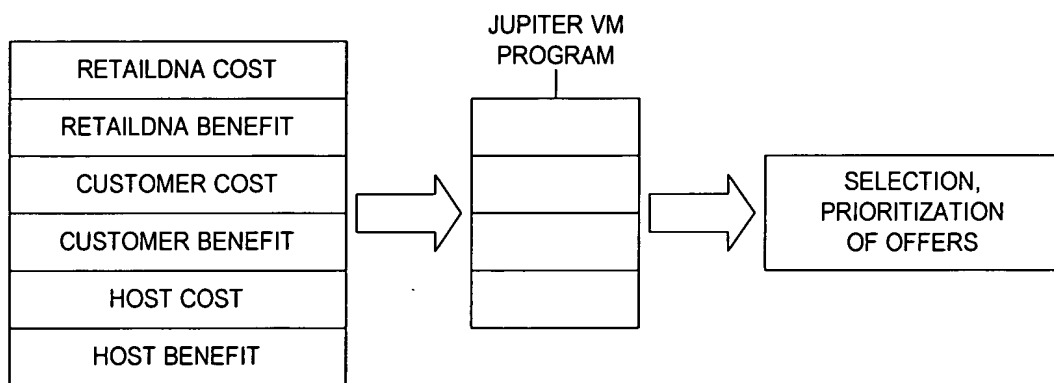


FIG. 11

1200

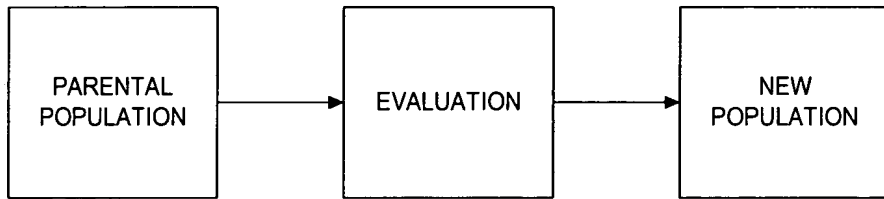


FIG. 12

FIG. 13 is a block diagram of a system 1300 for processing a list of instructions. The system 1300 includes an instruction list 1310, an instruction pointer 1320, a processor 1330, a result register 1340, an operand register 1350, an output register 1360, a truth register 1370, and a selected offers register 1380. The instruction list 1310 is connected to the instruction pointer 1320, which is connected to the processor 1330. The processor 1330 is connected to the result register 1340, the operand register 1350, the output register 1360, the truth register 1370, and the selected offers register 1380.

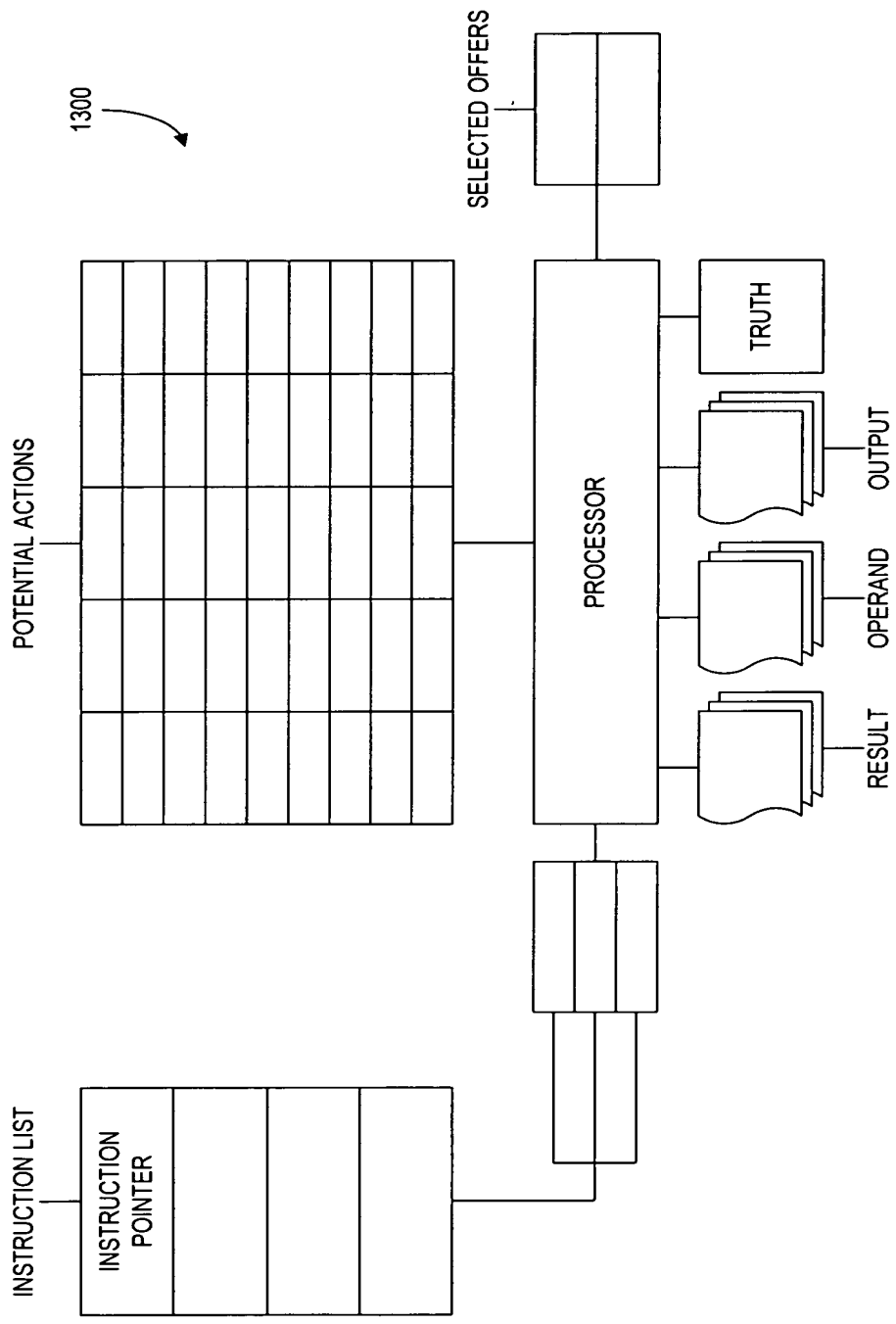


FIG. 13

1400

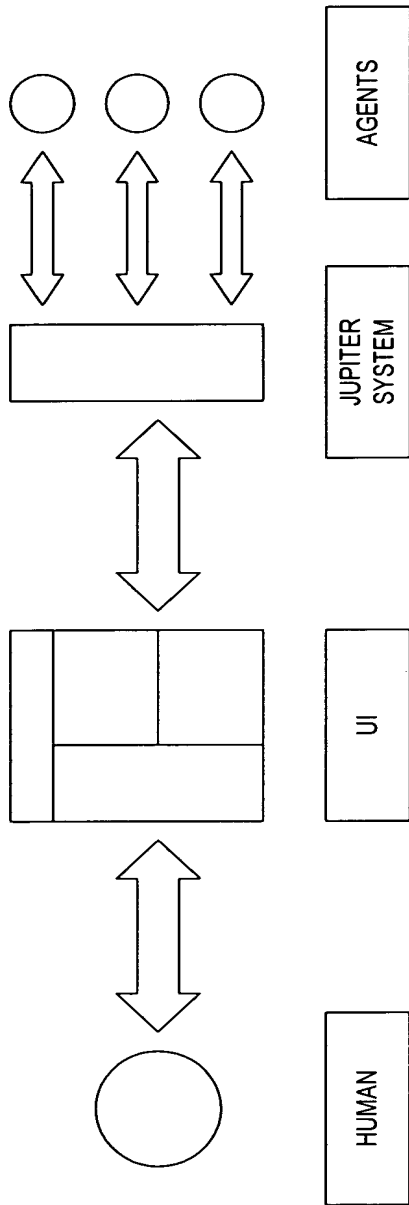


FIG. 14

FIG. 15 is a block diagram of a system 1500. The system 1500 includes three Jupiter Event Listener modules (Jupiter Event Listener) and a Jupiter Control Module (Jupiter Control Module). The Jupiter Event Listener modules are connected to the Jupiter Control Module via a bidirectional communication link labeled "STATE CHANGED".

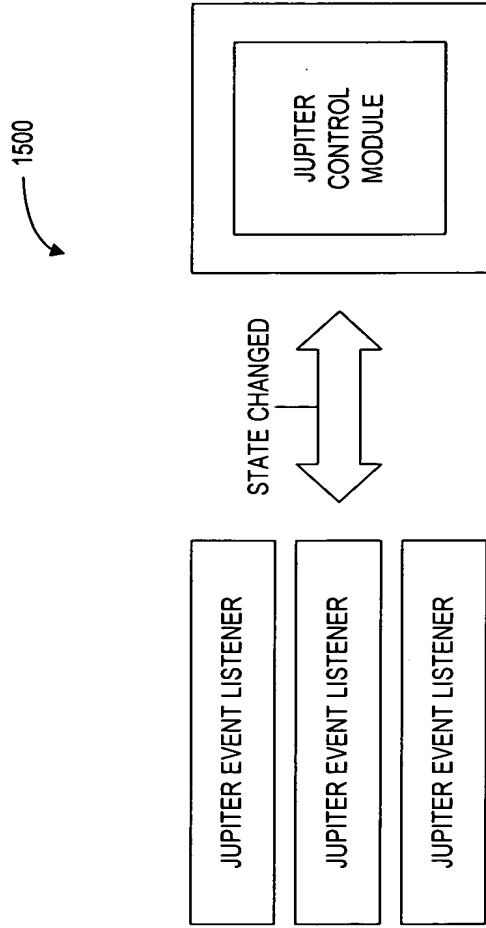


FIG. 15

1600

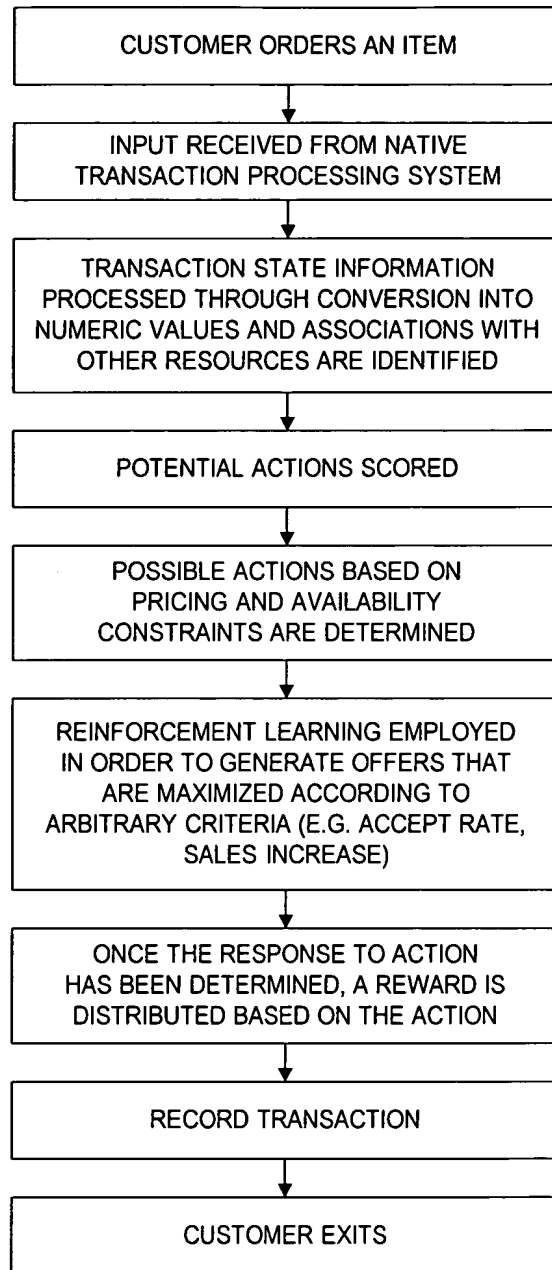


FIG. 16

1700

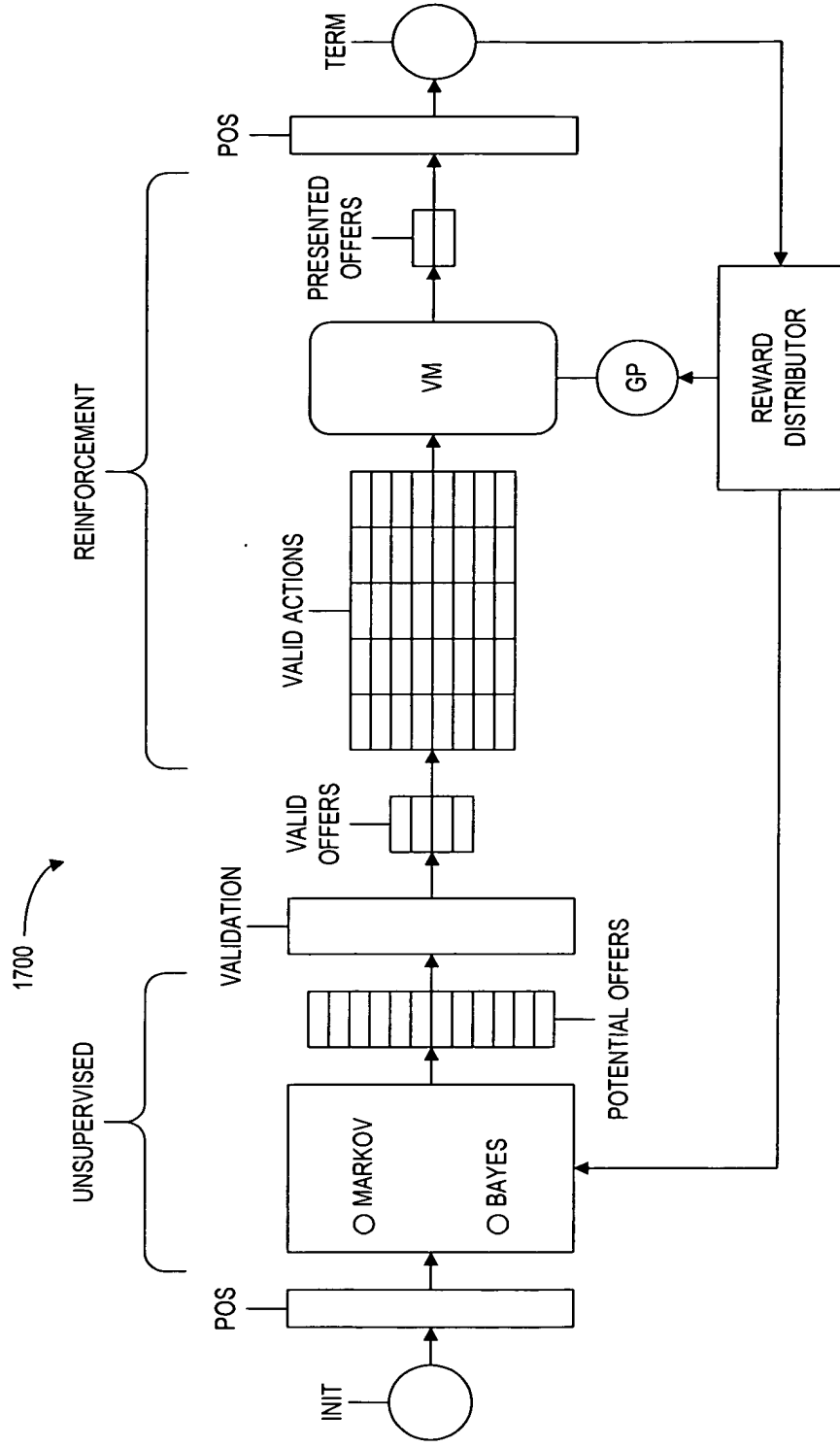


FIG. 17

1800

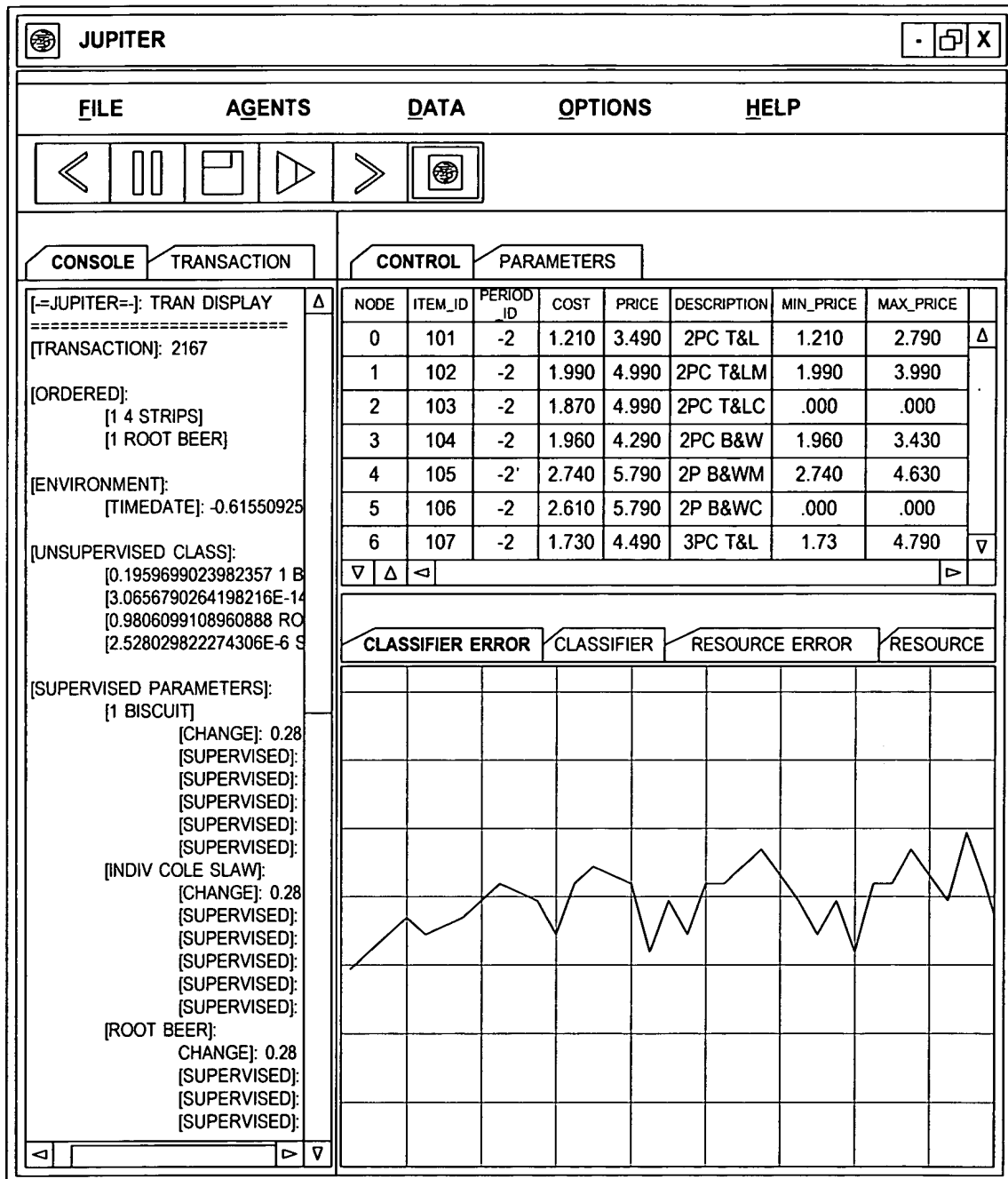


FIG. 18

1900

<div style="display: flex; justify-content: space-between; align-items: center;"> ORDER EVALUATION <div style="border: 1px solid black; padding: 2px;">-</div> <div style="border: 1px solid black; padding: 2px;">X</div> </div>																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">MENUITEM</th> <th style="width: 20px; text-align: center; padding: 2px;">Δ</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">2 PCS T&L</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS T&L MEAL</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS T&L COMBO</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W MEAL</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W COMBO</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">3 PCS T&L</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">3 PCS T&L COMBO</td><td style="text-align: center;">Δ</td></tr> <tr> <th style="text-align: left; padding: 2px;">QUANTITY</th> <th style="text-align: center; padding: 2px;">▽</th> </tr> <tr> <td style="text-align: center; padding: 2px;">2</td> <td style="text-align: center;">▽</td> </tr> </tbody> </table>	MENUITEM	Δ	2 PCS T&L	Δ	2 PCS T&L MEAL	Δ	2 PCS T&L COMBO	Δ	2 PCS B&W	Δ	2 PCS B&W MEAL	Δ	2 PCS B&W COMBO	Δ	3 PCS T&L	Δ	3 PCS T&L COMBO	Δ	QUANTITY	▽	2	▽	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">MENUITEM</th> <th style="width: 20px; text-align: center; padding: 2px;">Δ</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;">2 PCS T&L</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS T&L MEAL</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS T&L COMBO</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W MEAL</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">2 PCS B&W COMBO</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">3 PCS T&L</td><td style="text-align: center;">Δ</td></tr> <tr><td style="padding: 2px;">3 PCS T&L COMBO</td><td style="text-align: center;">Δ</td></tr> <tr> <th style="text-align: left; padding: 2px;">QUANTITY</th> <th style="text-align: center; padding: 2px;">▽</th> </tr> <tr> <td style="text-align: center; padding: 2px;">1</td> <td style="text-align: center;">▽</td> </tr> </tbody> </table>	MENUITEM	Δ	2 PCS T&L	Δ	2 PCS T&L MEAL	Δ	2 PCS T&L COMBO	Δ	2 PCS B&W	Δ	2 PCS B&W MEAL	Δ	2 PCS B&W COMBO	Δ	3 PCS T&L	Δ	3 PCS T&L COMBO	Δ	QUANTITY	▽	1	▽
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<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> [JUPITER-]:EVALUATION DIALOG Δ </div> <div style="margin-top: 5px;"> [TRANSACTION]: <div style="margin-left: 20px;">[ORDERED]:[2.0 2PCS B&W][1.0 PCS T&L]</div> <div style="margin-left: 20px;">[ENVIRONMENT]:</div> <div style="margin-left: 40px;">[DTSTAMP]: 0.290416</div> <div style="margin-left: 40px;">[CHANGE]: 0917075</div> </div> </div>																																													
<div style="border: 2px solid black; padding: 5px 15px; display: inline-block;">EVALUATE</div>																																													

FIG. 19

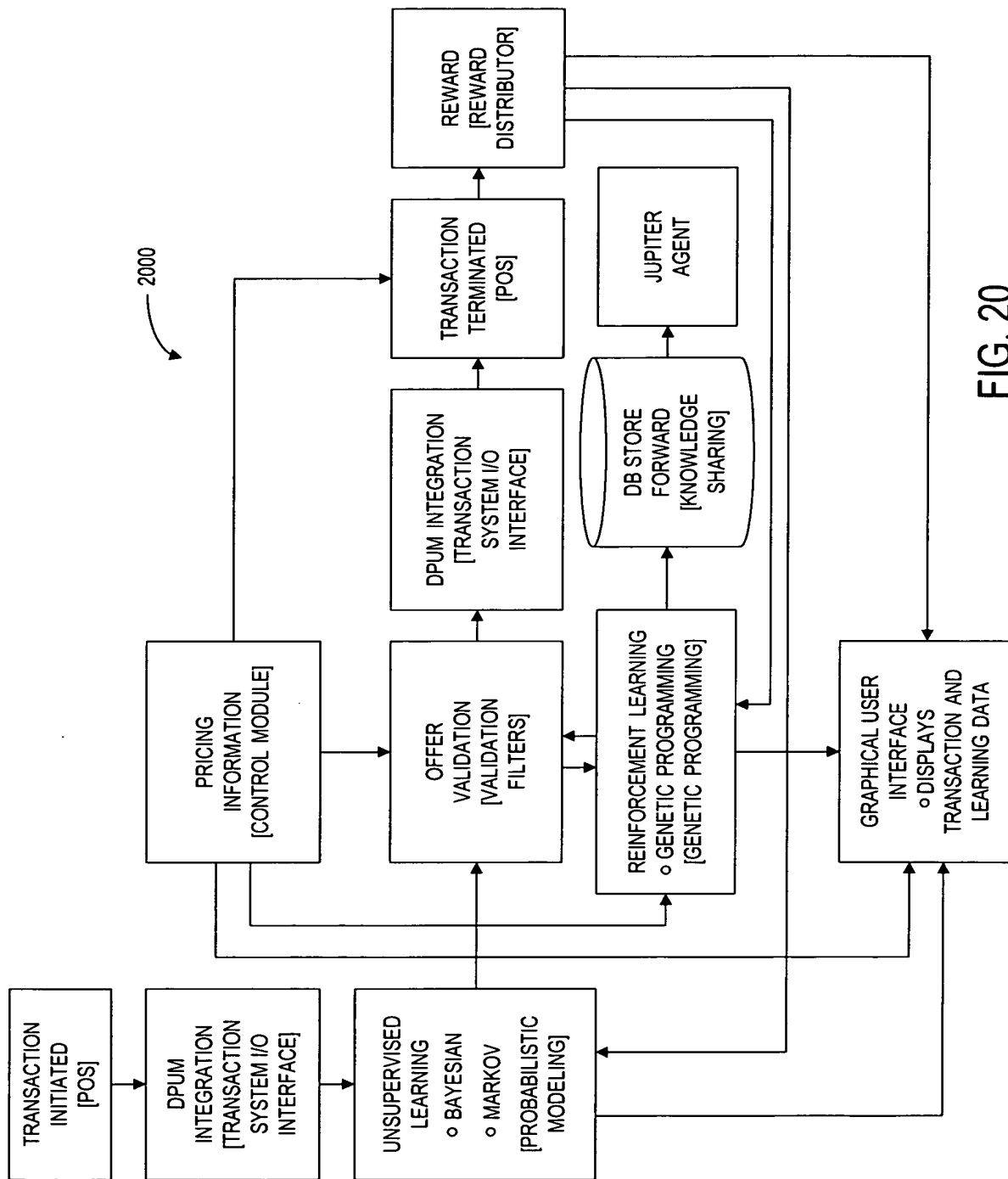


FIG. 20